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INFORMATION DISCLOSURE CITATION *(Use several sheets if necessary)*	Atty. Docket No. KAK-004	Serial No. PCT/JP99/04084
	Applicant Hiroaki KITANO et al.	
	Filing Date December 20, 2001	Group Unassigned 2129

U.S. PATENT DOCUMENTS

*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
CFR	A1	90/115683	10/1990	WO			x	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Page, Etc.)

OFR	A2	Tetsushi YATA et al., "Kakura Markov Model to Identeki Algorithm ni yoru NDA hairetsu no Signal Pattern Chuushitsu", Vol. 37, No.6, pp.1117-1129, Transactions of Information Processing Society of Japan (IPSJ) (06/1996)
OFR	A3	John Yen et al., "A Hybrid Approach to Modeling Metabolic Systems using a Genetic Algorithm and Simplex Method", Vol. 28, No. 2, pp.173-191, IEEE TRANSACTIONS ON SYSTEMS, MAN, AND CYBERNETICS PART B: cYBERNETICS (04/1998)

EXAMINER Omar F. Fenty Nunez	DATE CONSIDERED 9-29-05

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FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. KAK-004	SERIAL NO. 10/018.571
LIST OF REFERENCES CITED BY APPLICANT		APPLICANT KITANA et al.	
(Use several sheets if necessary)		FILING DATE 12/20/01	GROUP ~~2152~~ 2129

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NO.	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
OFR	B1	5,140,530	8/92	Guha et al.			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION YES	NO	PART.
OFR	B2	2881711	02/99	JAPAN				X	
OFR	B3	WO98/30722	07/98	WIPO					

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OTHER REFERENCES *(Including Author, Title, Date, Pertinent Pages, Etc.)*

OFR	B4	T. Yada et al., "Signal Pattern Extraction from DNA Sequesnces Using Hidden Markov Model and Genetic Algorithm," Transactions of Information Processing Society of Japan, Vol. 37, No. 6, Pages 1117 through 1129, Information Processing Society of Japan (June 1996).
OFR	B5	T. Akutsu et al., "A Learning Theory for Identifying Gene Regulatory Networks," 32nd Artificial Intelligence Fundamental Theory Study Group Material, pages 37-42, Japanese Society for Artificial Intelligence (March 1998).
OFR	B6	D. Tominaga et al., "Design of Canonical Model Describing Complex Nonlinear Dynamics," Computer Applications in Biotechnology, pages 85-90, IFAC (1998).
OFR	B7	T. Yada et al., "Generation of Hidden Markov Model Describing Complex Motif in DNA Sequences," Transactions of nformation Processing Society of Japan, Vol. 40, No. 2, Information Processing Society of Japan (February 1999).
OFR	B8	T. Akutsu, "Inference Algorithm in Gene Networks," Suri-Kagaku (Mathematical and Physical Science, Vol. 37, No. 6 (No. 432), pages 40-46, Science (June 1999).
OFR	B9	H. Kitano, "Trial toward System Biology," Suri-Kagaku (Mathematical and Physical Science, Vol. 37, No. 6 (No. 432), pages 54-60, Science (June 1999).
OFR	B10	T. Akutsu et al., "Inferring Genetic Network Using Linear Programming," Proceedings of the 13th Annual Conference of JSAI, 1999, pages 328-329, Japanese Society of Artificial Intelligence (June 1999).

EXAMINER	Omar F. Fernandez Rivas	DATE CONSIDERED	9-29-05

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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 1

Complete If Known	
Application Number	10/018,571
Filing Date	December 20, 2001
First Named Inventor	Hiroaki Kitano
Art Unit	~~N/A~~ 2129
Examiner Name	Not Yet Assigned
Attorney Docket Number	KAK-0004

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U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number Number-Kind Code[2] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document Country Code[3]-Number[4]-Kind Code[5] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T[6]

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OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T[2]
OFR	B1	Noda, K. et al., " Finding Genetic Network From Experiments by Weighted Network Model," Genome Informatics Workshop, Volume 9, Pages 141-140, Japanese Society for Bioinformatics (December 10-11, 1998)	
OFR	B2	Akutsu et al., " Identification of Genetic Networks From a Small Number of Gene Expression Patterns Under the Boolean Network Model," Proceedings: Pacific Symposium on Biocomputing, Stanford Medical Informatics (January 4-9, 1999)	
OFR	B3	Morohashi et al., "Identifying Gene Regulartoy Networks from Time Series Expression Data by in silico Sampling and Screening," Advances in Artifical Life . Proceedings of the 5th European Conference on Artifical Life, Pages 477-486 (September 13-17, 1999)	

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Examiner Signature	Ciman J. Fernández Rivas	Date Considered	9-29-05